

Mycobacterium tuberculosis complex genotyping

- Comment:** Sites submitting specimens for testing must be approved by the Epidemiology Program at the Department of Health and Human Services Regulation and Licensure. Please call NPHL for clarification at 402.559.2440 or 866.290.1406.
- Comment:** A SPECIAL MICROBIOLOGY Requisition or NPHL Web order must accompany this specimen.
- Synonym: Tuberculosis genotyping
- Lab: Microbiology/Virology
- Method: PCR genotyping methods: spoligotyping and mycobacterium interspersed repetitive units (MIRU); with optional *IS 6110*-based restriction fragment length polymorphism (RFLP) analysis
- Availability: Sent to CDC for testing
- Specimen: One isolate of *M tuberculosis* complex per patient
- Volume: Total volume required is 2 mls of positive broth (e.g., MGIT, Bactec, converted blood culture instrument) in a screw-top vial with installed o-ring (e.g., cryovial), screw-top securely fastened, taped with adhesive tape (two 1 ml vials acceptable); or LJ slant with viable growth, securely closed and taped with adhesive tape.
- Transportation: Room temperature.
- Comment:** Specimens sent for Tb genotyping require submission with NPHL Special Microbiology requisition. Please notify NPHL if requisition is needed. Specimens must be packaged in Infectious Shipping containers, available from NPHL client services at 866-290-1406. More information can be found on the internet at www.nphl.org.
- Reference range: By report
- LIS Code: TBGEN